

# **Environmental Protection Plan (EPP)**

(last updated 19 December 2013)

## **WHAT IS AN EPP?**

An EPP is a required submittal as per Vandenberg Air force Base (VAFB) General Requirements for Environmental Protection, Division 01 Section 01 57 20, formerly known as the 01010 specification. Think of it as a communication tool. An EPP is a document built by the contractor in order to display how they will address environmental concerns and impacts during all phases of work. VAFB's Environmental office uses this product to review the contractor's methods, procedures, and practices in relation to how they will accomplish the work effort. We will make recommendations to change, delete, or add to the overall EPP. The approved (signed) EPP will then suffice as a field guide for the users at the work site and an evaluation mechanism for field personnel.

## **HOW TO SUBMIT:**

If you are unsure of what is required, contact your Project Manager or 30 CES/CEIE directly for assistance with the EPP process and potential training where applicable. Use this framework presented in this document to address all relevant environmental concerns. The statements and questions under each section are designed to start the brainstorming process used to develop your own *personalized* EPP. At a minimum, address each applicable section. If a topic/paragraph does not apply to you, state N/A. Expand upon the topics that are relevant to your project. Please do NOT merely restate the provided language.

All reference items are contained on your CD and are current as the date of the CD. You will need to submit the EPP prior to completing the AF Form 103. Once the EPP is submitted to 30 CES/CEIE, our staff will review the document and make comments on each of their respective sections. The review period is 10 business days. Submission will be electronic. Electronic submission via e-mail is preferred and will help expedite the process.

## **SUBMITTALS WITH THIS EPP:**

The more complete and relevant the information is that you submit, the faster the turn-around time will be with the EPP approval process. The following are minimum submittals that will assist us with reviewing and approving your EPP:

- Signed 332, 813, and any other environmental review sheet applicable for the job
- Provide status of all relevant permits, notifications, applications, etc.
- Statement of Work
- Drawings, maps, product descriptions/specifications, etc.
- \*Required licenses and certifications of employees
- \*Storm Water Pollution Prevention Plan (SWPPP)
- \*Asbestos and/or Lead Abatement Plan
- \* DTSC approval in IRP sites

*\* May not be applicable to your project. May be submitted separately.*

**WHO TO SUBMIT TO:**

Please contact 30 CES/CEIE (Environmental Section) at (805) 606 – 2044) for proper routing of your EPP and this sign-off sheet to 30 CES/CEIEA (Environmental Assets), 30 CES/CEIEC (Environmental Compliance), and/or AFCEC/CZO (Environmental Restoration). 30 CES/CEIE is located in Building 11146; physical address is 1028 Iceland Avenue, Vandenberg Air Force Base, California 93437.

**Environmental Functional Area Review (as applicable):**

	Date	Initials or email received
Air Quality		
Greenhouse Gas		
Hazardous Waste		
Hazardous Material		
Environmental Planning		
Storage Tanks		
Solid Waste		
Asbestos/Lead-based Paint		
Stormwater		
Wastewater		
Drinking Water		
Cultural		
Natural		
IRP		

**30 CES/CEIE Date In:** \_\_\_\_\_ **30 CES/CEIE Date Out:** \_\_\_\_\_

**30 CES/CEIEC Approval Signature:** \_\_\_\_\_

*Note: approval may also be given via email.*

## **TITLE OF PROJECT**

Company Name:

Address:

Environmental POC Name:

E-mail:

Phone #:

**Brief Description of Project:** Sum up what the project is about. Describe the project in layman's terms. The following information is pertinent and helpful in our assessment of the project (including but not limited to):

- Is work occurring indoors or outside?
- Is the project contained within a fence?
- Is digging occurring?
- If applicable, provide a map of the proposed staging area.

If there are various phases of the project (testing, demo, construction), describe each phase. Indicate when the project is to start and expected to end.

### **1.0 AIR QUALITY (*Kim Harding – 805-606-6863*)**

**1.1** Does the 332/813 have any comments or requirements for this project? What are they and how to plan on implementing them?

#### **1.2 Demolition, Site Clearing, Grading, Backfilling, and/or Trenching:**

- How will you comply with APCD Rule 345?
- If a notification to Santa Barbara Air Pollution Control District (APCD) is required, how and with whom will you coordinate?

**Reminder 1:** No dry power brooming at any time. Dust will be kept down at all times.

**Reminder 2:** Removal of work-site trailers requires APCD notification

**Reminder 3:** Removal of load bearing wall/structure requires APCD notification

**Reminder 4:** No contaminated dust or soil material will leave the site through the air or transported off site without the appropriate management practices in place.

**References:** Rule 210, 302, 303, 304, 306, 329, 345, 1001, Form ENF-028 (available at: [www.sbcapcd.org](http://www.sbcapcd.org)).

#### **1.3 Surface Coating, Painting, Adhesive, Sealant and/or Solvent Usage Activities: -**

- Will you be conducting surface coating, painting, adhesive, sealant and/or solvent usage activities? If yes then:
- How will you comply with APCD rules 317, 321, 323, 330, 351 that apply to your project?

- Describe how you will ensure that materials do not exceed VOC limits and other requirements specified in Santa Barbara County Air Pollution Control District rules.
- Describe how you will ensure accurate recordkeeping by enrolling all VOC-containing materials in the HAZMART. What is your clean-up plan?

**1.4 Paving and/or Asphalt Activities:**

- Will paving and/or asphalt be used in your project? If yes:
- How will you comply with APCD Rule 329?
- How will you store your chemicals?
- What is your clean-up plan?

**Reminder 1:** All cutback and emulsified asphalt shall be enrolled through HAZMART and usage records will be maintained on-site in accordance with Vandenberg Cutback and Emulsified Asphalt Paving Materials Recordkeeping and Compliance Plan, which establishes procedures to comply with APCD Rule 329.

**Reminder 2:** Use and/or production of cutback and emulsified asphalt materials will be recorded on the Cutback and Emulsified Asphalt Paving Materials Recordkeeping Logs per the above referenced plan.

**References:** APCD Rule 317, 324, 329, 30 SWI 32-702, VAFB PTO 10156, Vandenberg Cutback and Emulsified Asphalt Paving Materials Recordkeeping and Compliance Plan.

**1.5 Adhesives and/or Sealants:** Compare the VOC and ROC emissions of your proposed materials to the APCD limits.

- Are you using any adhesives and/or sealants in project? If yes:
- How are you going to comply with APCD Rule 353, 351, and/or 30 SWI 32-702?
- How will you store your chemicals?
- What is your clean-up plan?
- Describe how you will ensure accurate recordkeeping by enrolling all VOC-containing materials in the HAZMART.

**Reminder 1:** All adhesive/sealants shall be enrolled with the HAZMART.

**Reminder:** Adhesive Primer needs to be less than 650 grams/liter ROCs and PVC Welding Glue needs to have less than 510 grams/liter ROCs per Rule 353.

**1.6 Abrasive Blasting and/or Corrosion Control Activities:**

- Are you using any abrasive blasting and/or corrosion control activities in your project?
- Describe how you will comply with CCR, Title 17 Sub-Chapter 6.
- Are your abrasives certified by the California Air Resources Board (CARB)?
- What blasting media are you planning on using?

**Reminder:** Throughput records must be submitted to 30 CES/CEIEC as required by 30 SWI 32-702.

**1.7 Internal Combustion Engines used in this project:** Describe how you will comply with the California statewide portable equipment registration process, APCD Permit to Operate (PTO) conditions and requirements, and APCD Rule 202.

**1.7.1** List all equipment/engines requiring a California statewide portable equipment registration.

**1.7.2** List all equipment/engines requiring an APCD air permit. Examples are *Diesel* Internal Combustion Engines (ICEs) over 50 brake horsepower or *Spark* Ignition Piston-Type ICEs over 100 brake horsepower.

**1.7.3** List all *Spark* Ignition Piston-Type ICEs over 20 brake horsepower, but less than 100 brake horsepower.

**1.7.4** List any permitted sources (equipment or engine) being modified with this contract.

**Reminder:** Any equipment added in the future which meets any of the above definitions will be added to this EPP and CEIEC will be notified.

**References:** APCD Rule 202 (available at: <http://www.arb.ca.gov>, [www.sbcapcd.org](http://www.sbcapcd.org)).

**1.8 Fuel Usage Reporting:** Describe how you will log and report you fuel usage in accordance with 30 SWI 32-702.

**References:** 30 SWI 32-702

**1.9 Installation and/or construction of equipment/processes requiring a Santa Barbara County Authority to Construct (ATC) and/or a Permit to Operate :**

- If applicable, have you worked with 30 CES/CEIEC to obtain the required ATC or PTO?

- Who did you coordinate with in 30 CES/CEIEC for this effort?

**Reminder:** Construction and/or installation cannot begin without the required ATC or PTO.

**References:** APCD Rule 201.

**1.10 Boiler, Steam Generator, Furnace, Process Heater, and Water Heater Activities:**

- Will you receive approval from CEIEC **prior** to procurement of any boiler, steam generator, furnace, or process heater?

- Will you receive approval from CEIEC **prior** to installation, replacement, or modification of water heaters?

- Is an APCD permit required? Will you complete a 30 SW Form 155 and submit it to CEIEC prior to installation?

- Is the boiler more or less than 2 MBTU?

**Reminder:** The Contractor shall provide evidence of certification compliance and emission limitations with applicable SBCAPCD Rules 342, 352, 360 and 361, for all installed, replaced, and modified boiler, steam generator, furnace, process heater, and water heater units. Units with a heat input rating greater than 2,000,000 btu/hr require an ATC prior to installation.

**References:** APCD Rules 342, 352, 360, 361.

## 1.11 Greenhouse Gas

- Does your project deal with any greenhouse gas products such as refrigerants, sulfur hexafluoride, etc.?
- If so, how do you plan on handling and recording it?
- Are you a certified refrigerant technician?
- If you inspected a refrigerant system you must provide a copy of the inspection report to 30 CEIEC Greenhouse house Manager.
- If you charged, recharged, or removed refrigerant from any system, you must provide a service report to 30 CES/CEIEC Greenhouse Manager.

## 2.0 HAZARDOUS WASTE (*Dan Carson – 805-606-2359*)

### Generation of Hazardous Waste:

2.1 All hazardous waste generation, storage, and disposal is required to be in accordance with applicable federal, state, and local laws, rules and regulations, and required to be pre-coordinated with 30 CES/CEIEC personnel. All hazardous waste activities must conform to Air Force Instructions and the 30 SW Hazardous Waste Management Plan available from the 30 CES/CEIEC Hazardous Waste Program Manager and/or assistant. Conforming actions include: waste profiling and tracking, worker training, on-site waste generation and accumulation, handling and transportation, record keeping and, if required, the written approval from 30 CES/CEIEC for establishing either a Collection Accumulation Point (CAP) or Satellite Accumulation Point (SAP). The waste generator is required to submit the CAP/SAP request a minimum of two weeks prior to generating waste.

All hazardous waste generated on Vandenberg AFB, whether disposed by the Contractor or disposed through the Consolidated Collection Accumulation Point (CCAP) Contractor, requires coordination and characterization with CCAP personnel prior to transport and disposal (NO EXCEPTIONS). All Uniform Hazardous Waste Manifest's are required to be tracked and signed by authorized CCAP or 30 CES/CEIEC personnel only.

All wastes are profiled based on user knowledge and/or analysis. Proper waste characterization is coordinated by the Contractor with the CCAP prior to any waste generating actions. Sample requests and approval and waste profile assistance are obtained through the 30 CES/CEIEC Hazardous Waste Program Manager.

2.2 What kind and how much hazardous waste do you expect to generate?

- How will you reduce the generation of hazardous waste through source reduction efforts? Describe your overall site management plan.
- What is your plan for profiling, accurate characterization, temporary site storage areas, containerization, labeling, security, disposal, and reduction of hazardous wastes prior to processing through the Consolidated Collection Accumulation Point (CCAP)?

How will you transport your hazardous wastes to the CCAP?

**Reminder 1:** Only CCAP personnel or 30 CEIEC representatives can sign a Uniform Hazardous Waste Manifest. NO EXCEPTIONS!

**Reminder 2:** All manifests (even off-base) must be coordinated and signed by CCAP or 30 CEIEC prior to shipment off base.

**References:** HWMP 30 SW Plan 32-7043-A.

### **2.2.1 Collection Accumulation Point (CAP) and Satellite Accumulation Point (SAP):**

- Where will the CAP/SAP be located? Include its description here so that it may be approved by CEIEC.
- Describe your hazardous waste contingency plan (SW Plan 32-7043-A, Fig 6-1). Where will you post it?
- Describe your plan for ensuring site personnel are trained in the implementation of this plan should an emergency occur.
- List your equipment for on-site spill control/cleanup (SW Plan 32-7043-A, Fig 6-2).

**Reminder 1:** Submit a Community Awareness and Emergency Response (CAER) Hazardous Materials Minor Spill and Release Incident Report Form to CEIEC within 24 hours of all hazardous materials spills or releases.

**Reminder 2:** Submit CAP/SAP Training Records to CEIEC with this EPP.

**References:** 30 SW Plan 32-7043-A (Figure 6-1, 6-2).

## **2.3 Transformer Removal and Replacement**

### **2.3.1 Will you be removing or replacing transformers?**

All waste electrical transformers, regardless of size or type, removed from service by either 30 CEOIE or by contract, requires pre-coordination and waste characterization with the 30 CEI/CEIEC Hazardous Waste Program manager and/or assistant, and CCAP personnel prior to removal, transport and disposal actions (NO EXCEPTIONS).

All pole mount, pad mount and sub-station electrical transformers contain a dielectric fluid (mineral oil) having the potential to contain various levels of polychlorinatedbiphenyls (PCBs). At the time of manufacture, all electrical transformers are affixed with an information data-plate, however the information listed on individual data-plates varies depending on the transformer manufacturer and date of assembly. Data-plates are also prone to deterioration due to exposure to the weather and may be illegible or missing altogether.

If the data-plate states: "Non-PCB mineral oil at date of manufacture, contains less than 1 part per million (ppm) PCB" or similar verbiage, the transformer and mineral oil is managed as non-PCB containing electrical equipment and does not require sampling.

If the data-plate is generic, makes no mention of PCB levels, or is missing, the transformer is assumed to contain PCB's and is required to be sampled by CCAP personnel.

Unless leaking in a severe manner, all pole and pad mount electrical transformers removed from service are transported to the CCAP for characterization, management and draining. Sub-station transformers are characterized and drained at their service location.

**Reminder 1:** 24 hour turn-in notification is required prior to transport of any generator to the CCAP.

**Reminder 2:** Proper waste characterization is coordinated with the CCAP prior to any waste generating actions. Sample requests to determine PCB levels and waste profile assistance are obtained through the 30 CES/CEIEC Hazardous Waste Program manager and-or assistant.

### **3.0 HAZARDOUS MATERIALS (Dan Narciso – (805)605-7573)**

#### **3.1 Hazardous Materials (HAZMAT) General Information:**

- Is your project using any products that must be registered at the Hazmart?
- Describe how you will implement pollution prevention measures to reduce the use of hazardous materials and formation of hazardous waste.
- Will you recycle products and reuse materials to avoid unnecessary disposal?
- Where will you store your hazardous materials ?

**References:** AFI 32-7086.

#### **3.2 HAZMAT Registration Procedures:**

**3.2.1** The contractor must register all hazardous materials with the HAZMART Environmental Support Section (including pesticides) prior to purchasing and bring them onto VAFB. The HAZMART Environmental Support is located in Building 5500, Room 10, Telephone number (805) 605-3870.

**References:** AFI 32-7086.

**3.2.2** The contractor must submit an electronic equivalent of AF Form 3952, Chemical/Hazardous Material Request Authorization, with corresponding Safety Data Sheets (SDS's) to HAZMART for authorization and approval before using any hazardous materials on VAFB, call the HAZMART Environmental Support Section at (805) 605-3870 for more specific questions.

**3.2.3** HAZMART Environmental Support staff will issue bar code labels to every approved hazardous material to the contractor. Affix the bar code label appropriately to each approved item or material container.

**3.3 HAZMAT Monthly Usage Reporting:** The contractor must report monthly or earlier all hazardous materials usage with bar code numbers to the HAZMART Environmental Support. Prompt reporting of HAZMAT usage will meet reporting requirements for contractor's air emissions, EPCRA Toxic Chemical Reporting Inventory, EPCRA Section 312 Tier II Report, and solvent usage.

**References:** 40 CFR 370, AFI 32-7086.

**3.4 Spill and Release Management of Hazardous Substances:** Should a spill occur, do you have the required equipment in place? What kind of equipment, devices, and/or supplies will you have in place to prevent/mitigate spills? Describe your secondary containment method. Have you listed your Emergency Coordinator?



**Reminder:** Submit a Community Awareness and Emergency Response (CAER) Hazardous Materials Minor Spill and Release Incident Report Form to CEIEC within 24 hours of a hazardous waste spill or release.

**References:** 30 SW Plan 32-7043-A

#### **4.0 POLYCHLORINATED BIPHENYLS (PCBs) (Dan Carson – 805-606-2359)**

##### **4.1 Generation of PCB Waste:**

- Will your project be generating any PCB Waste? If yes:
- Where will you dispose of PCB waste?
- Will you submit a PCB Removal Work Plan?
- Will you be working with ballasts with unknown PCB content? If so, how will you handle this waste stream?
- Will transformers, pole or pad, be generated and does it trigger either state or federal PCBs requirements? (5ppm-50ppm state, over 50ppm federal).

**Reminder:** PCBs and PCB light ballasts are required to be coordinated through the CCAP and CEIEC. No PCB waste shall be removed from VAFB by the contractor.

##### **4.2 Waste must be accumulated per hazardous waste regulations and AFI's. If waste is to be produced, is an accumulation area needed and approved through CEIEC? Is the waste being processed through the base Consolidated Collection Accumulation Point (CCAP) or shipped offsite by the contractor?**

**Reminder:** All waste (even off-base shipments) must be coordinated with the CCAP prior to disposal for tracking and signing. Only CEIEC or the CCAP personnel are approved to sign manifests, so coordination is paramount.

**References:** AFI 32-7043, 30 SW Man Plan 32-7043A.

#### **5.0 GREEN PROCUREMENT (Dan Narciso, (805) 605-7573 )**

Contractor must purchase an environmentally preferable products and services in accordance with federally mandated green procurement preference programs. All green products together with SDS must be submitted to the HAZMART Environmental Support for registration and authorization.

The Green Procurement Program (GPP) elements are intended to protect the environment and reduce energy consumption. The GPP elements are as follows:

##### **5.1 Recycled-Content Products (RCP) and Recovered Materials (RM)** Contractor should adhere to the EPA Comprehensive Procurement Guideline listing of designated products and the accompanying recommendations for post-consumer content and recovered materials content. Buying recycled-content products ensures that the materials collected in recycling programs will be used again in the manufacture of new products. **Reference:** <http://www.epa.gov.cpg>

##### **5.2 Energy and Water Efficient Products and Renewable Energy Sources**

##### **5.3 Alternative Fuels and Fuel Efficient Vehicles and Equipment**

**5.4 Biobased Products:** Describe the products and materials that you will utilize made from biobased materials (e.g., insulating foam, composite panels, and concrete and asphalt release fluids).

**Reminder:** Use of biobased products and materials will be to the maximum extent possible without jeopardizing the intended end use or detracting from the overall quality delivered to the end user.

**References:** <http://www.biopreferred.gov>

**5.5 Non-Ozone Depleting Products (Non-ODS)**

**5.6 Priority Chemical Reductions**

**5.7 Environmentally Preferable Purchasing (EPP) of Products and Services:** Describe the sustainability of your practices using life-cycle cost evaluation methods.

**References:** AFI 32-7080, USAF GPP Guide (<http://www.epa.gov/opptintr/epp>).

**6.0 SOLID WASTE OR CONSTRUCTION DEBRIS (Dan Carson – 805-606-2359)**

**6.1 Solid Waste Generation:**

- List your solid waste manager(s) and contact information.
- List the type, quantity, and disposal location of all solid waste expected to be generated.
- Describe your methods for reducing solid waste, such as source reduction, reuse, and recycling.

**6.1.1 Segregation:**

- List the items you will be segregating and methods of disposal for each.

**6.1.2 Defense Reutilization and Marketing Office (DRMS):**

- What items will you submit to DRMO? List all serviceable or salvageable items that you will submit to DRMO? Will you be submitting items to the Diversion Center?

**Reminder:** Per DoD requirements, all salvageable and serviceable items *must* be turned in to DRMO for processing.

**6.1.3 Off-base Landfill:**

- VAFB landfill is closed.
- Submit weights and quantity of all solid waste and construction & demolition debris *taken off-base* for recycling and reuse to 30 CES/CEAOI Solid Waste Activity Owner.

**7.0 LEAD BASED PAINT (LBP) (William “Billy” Delgadillo – 805-606-6023)**

**7.1** Is lead based paint suspected?

- If so, has sampling been conducted?
- What type of material is suspected to contain LBP?

- What type of work is occurring that is expected to disturb LBP?
- Specifically, where is the work occurring (i.e., building #, rooftop, room #)?
- Has coordination begun with Billy Delgadillo regarding a Lead Compliance Plan?

ENF-028 Form?

Structures proposed for demolition must be surveyed for lead containing materials such as ceramic tile and lead based paint (LBP). A Written Compliance Plan for the stabilization or removal of LBP must be submitted to CEIEC for review prior to any contracted work activity regarding the proposed structures for renovation and/or demolition.

## **8.0 ASBESTOS (*William “Billy” Delgadillo – 805-606-6023*)**

### **8.1 Is asbestos suspected?**

- If so, has sampling been conducted?
- What type of material is suspected to contain asbestos?
- What type of work is occurring that is expected to disturb asbestos?
- Specifically, where is the work occurring (i.e., building #, rooftop, room #)?
- Has coordination begun with Billy Delgadillo regarding an abatement plan?

Asbestos Containing Material (ACM)/Presumed Asbestos Containing Material (PACM) materials consist of the following materials; Flooring (tile, linoleum, vinyl sheet, carpeting), Mastics, Gypsum Board (drywall, sheetrock), Transite, Roofing, Ceramic Tile Mortar, Concrete, Asphalt, Water connection gaskets, joint compounds, old water piping, old protective covering.

- 8.1** Structures proposed for demolition must be surveyed for asbestos containing materials (ACM). ACM must be abated prior to any demolition activity. An ACM Site Specific Work Plan must be submitted to CEIEC for review prior to any contracted work activity regarding the proposed structures for renovation and/or demolition.
- 8.2** When suspected ACM is encountered during the construction work, then the Contractor shall immediately cease work and make arrangements for sampling of the material prior to resuming work, depending upon the sample results. The Contractor shall be responsible for identifying suspected ACM encountered during activities that were not previously identified in the asbestos survey. An updated and/or approved site specific asbestos abatement plan shall be required in this case.
- 8.3** Any removal or disturbance of ACM/PACM and/or Lead-Based Paint (LBP) materials, removal or demolition of load bearing structures, facilities, buildings, water storage tanks, towers will be coordinated with the Asbestos/LBP protocol

manager; Mr. William M. Delgadillo, 30 CES/CEIEC, (805) 606-6023. Notification for Renovation and Demolition form must be processed through 30 CES/CEANQ a minimum of 15 calendar business days prior to any removal/demolition work commencing. All Demolition plans, abatement plans and written compliance plans (LBP) will be processed and reviewed by 30 CES/CEIEC. Contractor or responsible party will comply with all Air Force Instructions (AFI), Federal, State, County and Local rules and regulations.

## **9.0 WATER QUALITY (Mike Kalata – 805-605-0342)**

### **9.1 Connecting to VAFB Drinking Water Supply:**

- Will this project require connection to VAFB water supply?
  - If so, will you be using the two approved locations in the 30 CES Horizontal Yard, located behind Bldg 10715 on Washington and Nevada Avenues.
  - If not using one of the approved locations, where do you plan connecting to the water source? And what will you do to prevent backflow?
- Who will you coordinate with if using another location other than the two approved locations?

**9.2** All internally fit backflow prevention assemblies that are installed on water trucks or tanks or similar structures that shall be connected to the base drinking water system shall be inspected and tested IAW AFI 32-1066 and its accompanying 30SWI Supplement. Contact the Vandenberg Backflow Prevention Program Manager for coordination and approval.

**Reminder:** Contractors are prohibited from fitting a BPA to base water sources.

**References:** AFI 32-1066, 30SWI 32-1066, Supplement 1.

## **10.0 WASTEWATER (Mike Kalata – 805-605-0342 or Tara Wiskowski 805-606-7541)**

### **10.1 Wastewater:**

- Will there be any wastewater associated with the project?
- Examples are concrete washout water, high-pressure wash water, hydrostatic testing water, dewatering discharge, storm water accumulated in secondary containment, cooling water, boiler water, etc.
- Describe any practices to prevent inadvertent contaminated wastewater discharges.

#### **Discharge to Grade (DTG):**

- Do you expect to have any discharge of water to grade?
- Do you suspect this water to contain contaminants? If so, analysis may be required and results must be submitted to CEIEC Water Resources.
- Have you obtained approval from 30 CES/CEIEC Water Resources to release to grade? Only uncontaminated water may be released to grade.

**Reminders:** Contact Water Resources for guidance on proper wastewater disposal. If necessary, contain and sample any wastewater to determine hazardous characteristics and proper disposal. A Sampling Request Form and Industrial Wastewater Characterization Form would be required for sampling conducted by the Water Resources consultant. An approved Discharge to Grade Characterization Form may be required for discharges to grade. An Industrial Wastewater Treatment Plant (IWTP) Processing Request Form would be required for disposal at the IWTP.

**Structural Surface Preparation:** Prior to surface cleaning with high pressure water or high pressure steam, the paint content of the affected area must be known or the contractor must provide a sample analysis of the affected area in order to determine the chemical properties of the effluent. Separate representative samples are required for each specific material. Based on the results of the analysis, the effluent will either require capture, collection, and removal or be allowed to discharge to grade. Prior to using any chemical cleaner in conjunction with the above application, an MSDS must be submitted in order to determine whether the chemical effluent must be captured, collected and removed or allowed to discharge to grade. Effluent that requires capture and removal shall be disposed of at an approved IWTP or handled in accordance with the characteristics of its particular waste stream.

**References:** 30 SW 32-7041-A, Appendix 11.

## **11.0 STORMWATER (Tara Wiskowski – 805-606-7541)**

### **11.1 Best Management Practices (BMPs):**

- Describe what BMPs you will use to prevent sediment, chemicals, or other pollutants from migrating into the storm water system or surface waters via stormwater and non-stormwater.

**Reminder:** The contractor shall implement BMPs commonly accepted by the California Stormwater Quality Association.

**References:** <https://www.casqa.org/resources/bmp-handbooks>  
<http://www.dot.ca.gov/hq/construc/stormwater/factsheets.htm>

### **11.2 Permits:**

- List the square footage or number of acres of soil disturbance, including staging and maintenance areas on top of soil.
- Is your project disturbing over an acre of soil?
- Do you need coverage under the Construction General Permit?

**Reminder:** The contractor shall obtain coverage under the State Water Resources Control Board (SWRCB) National Pollutant Discharge Elimination System (NPDES) General Permit Order 2009-0009-DWQ for construction activities of one acre or greater of disturbed soil through 30 CES/CEIEC as required. Some projects over one acre are exempt from coverage as defined in the General Permit. Other projects are not exempt but may qualify for an Erosivity Waiver and would not need a Storm Water Pollution Prevention Plan.

**References:** [http://www.waterboards.ca.gov/water\\_issues/programs/stormwater/construction.shtml](http://www.waterboards.ca.gov/water_issues/programs/stormwater/construction.shtml)

## **12.0 STORAGE TANKS** (*Joe Naputi 805-606-2068*)

### **12.1 Above Ground Storage Tanks (ASTs):**

- Is the project installing, maintaining, or removing any ASTs? If yes, what are you doing and answer the following questions.
- How many gallons is the tank?
- What will be in the tank?
- Will you need to have an AST on the job-site? Describe your AST management practices (inspections, logs, etc.).
- All ASTs are required to have secondary containment; does the AST comply with this requirement?

**References:** AFI 32-7044, AFI 23-201, 30 SW 32-4002-C, 30 SW 32-7086.

**Reminder:** Requirements for ASTs are different for storage of hazardous waste and hazardous material.

### **12.2 Underground Storage Tanks (USTs) (Joe Naputi, 606-2068)**

- You are not authorized to have an UST.
- If you think you're authorized a UST, contact 30 CES/CEIEC

**Reminder:** USTs are permitted with county Certified Unified Program Agency.

**References:** 23 CCR Division 3, Chapter 16

## **13.0 CONTAMINATED SOILS MANAGEMENT** (*Dan Carson – 805-606-2359*)

- Describe your plan of action if you encounter contaminated or potentially contaminated soil.
- Who do you contact if you encounter contaminated soil?

## **13.0 CULTURAL RESOURCES** (*Chris Ryan – 805-605-0748*)

**13.1** Are there Cultural Resources concerns in your project area? Does the 332/813 have any comments or requirements for this project?

**13.2** Describe your plan to avoid and/or minimize impacts to cultural, historical, and archaeological resources. What course of action will be taken if cultural resources are encountered?

**13.3** Is archaeological and/or Native American monitoring required? Who did you coordinate the monitoring with?

**13.4** Will there be digging involved in your project? If so, approximately how deep?

## **14.0 NATURAL RESOURCES** (*Rhys Evans – 805-606-4198*)

- 14.1** Does the 332/813 have any comments or requirements for this project? What are they and how do you plan on implementing them?
- 14.2** Is biological monitoring required? Who did you coordinate the monitoring with?
- 14.3** Describe your plan to avoid or minimize impacts to natural resources including endangered species.
- 14.4** Describe your plan for restoring and repairing damaged landscaping to original condition. Consider soil preparation, successful methods for planting and seed germination, preventing weed establishment, and time period for restoration.
- 14.5** Will you be removing/mowing/trimming vegetation? How will you be complying with the Migratory Bird Treaty Act?
- 14.6** Is all work occurring in a building or pavement? If no, what work or activities are taking place outside or off the pavement?
- 14.7** If using any construction vehicles or mowers, describe your plan on preventing the introduction and spread of weed seeds.

#### **15.0 IRP/MMRP**

- 15.1** Does your project occur in an IRP site, is regulatory approval required?
- If yes, have you coordinated with IRP? Who did you coordinate with?
  - If regulatory approval is required provide DTSC approval letter
- 15.2** Does your project occur in a MMRP area?
- If yes, have you coordinated with Weapons Safety?

#### **16.0 UNIQUE SITUATIONS (805-606-2044)**