

# GREATER SAN DIEGO SCIENCE & ENGINEERING FAIR (GSDSEF)

## CERTIFICATION OF HAZARDS CONTROL FORM 4 (GSDSEF-4, 2015)

This form, if required, must be completed and signed before starting your project. Place it in your notebook for the GSDSEF SCREENING Fair. (Use the "Tab" key to move from line to line)

The student, and all who sign this form, MUST READ AND COMPLY with the Hazardous Material and Safety requirements for dealing with such materials as, bacteria; molds or fungi; protozoa; chemicals; toxic, corrosive, mutagenic, carcinogenic, teratogenic or infectious agents; venomous animals as explained in GSDSEF RULES & REGULATIONS page 13

Student's Name (last, first, middle) Bhushan, Somil Date 9-1-14

Partner's Name (Senior Division only) \_\_\_\_\_

School Thurgood Marshall Middle School Grade 8th

Science Teacher Mrs. Elaine Gillum

Project Title Solar Desalination: An Eco-Friendly Solution for California's Water Independ

Hazardous procedures/materials/substances involved Solar Panel, Drill, Connection Wires, Voltmeter  
Ammeter

Answer 1 - 10 in detail & identify potential hazards clearly (use n/a if none—use additional sheets if needed):

1. Source of materials to be used Applied Membranes
2. Disposal method(s) to be used for hazardous materials \_\_\_\_\_
3. Procedures to be performed by the student Setting up Solar Panel and Voltmeter, and connecting system through wires
4. Procedures to be performed by supervising scientist/adult supervisor Help set up system and make sure items are secure
5. Safety precautions to be taken during procedures (be specific for each hazard involved) Keep liquids away from electrical items
6. Name of adult hazards supervisor, Title, Phone, Company or Organization Mr. Mohit Bhushan, Mediatek Corporation,

Where bacteria, protozoa, fungi, molds, etc. are used, full details are required in 7-10:

7. Source of microorganism(s) \_\_\_\_\_
8. Genus, species, strain \_\_\_\_\_
9. Culture medium \_\_\_\_\_
10. Method & timing of sealing Petri dishes \_\_\_\_\_

### REQUIRED CERTIFICATION SIGNATURES:

Failure to follow the rules and regulations will result in disqualification I CERTIFY THAT:

- The hazards control rules and regulations of the GSDSEF and the Intel ISEF will be followed.
- The procedures followed will ensure that neither the process nor the materials used constitute any known danger.
- All microorganisms, pathogenic or non-pathogenic, will be handled and disposed of as if pathogenic.
- I have previously signed the completed Form GSDSEF-1, 2015 (which outlined the procedures to be followed for this study).

Student's signature  Date 9-1-14

Parent/ Guardian signature  Date 9-1-14

Teacher signature  Date 9-1-14

Adult Hazards Supervisor signature  Date 9-1-14

SRC Approval