

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) AKELLA, APARNA Date 09-01-2014

Partner's Name (Senior Division only) N/A

School THURGOOD MARSHALL MIDDLE SCHOOL Grade 8

Science Teacher Mrs. E. GILLUM

Project Title Does long-term exposure to electronics destroy or damage plant cells?

Hazardous procedures/materials/substances involved Use of anti-static jackets to enter the Qualcomm factory to observe plant leaves under microscope and to take pictures

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 Qualcomm factory equipment
2. Disposal method(s) to be used for hazardous materials N/A
3. Procedures to be performed by the student Wear Anti-static jacket
4. Procedures to be performed by supervising scientist/adult supervisor make sure the environment is safe for the student
5 Safety precautions to be taken during procedures (be specific for each hazard involved) use Anti-static jacket
6. Name of adult hazards supervisor, Title, Phone, Company or Organization Ruel Ballesteros, Staff Engineering Technician, 858-651-4989, Qualcomm Inc
Where bacteria, protozoa, fungi, molds, etc. are used, full details are required in 7-10:
7. Source of microorganism(s) N/A
8. Genus, species, strain N/A
9. Culture medium N/A
10. Method & timing of sealing Petri dishes N/A

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 [Signature] Date 9/1/2014
Parent/ Guardian signature Srivani Akella Date 9/1/2014
Teacher signature [Signature] Date 9-1-14
Adult Hazards Supervisor signature [Signature] Date 9/01/2014

SRC Approval