Exhibit VII-1: CONSOLIDATED LISTING OF PROGRAM- AND COST-RELATED GRANTEE NOTIFICATIONS TO, AND REQUESTS FOR APPROVAL FROM, THE NATIONAL SCIENCE FOUNDATION*

All notifications to, and requests for approval from, the National Science Foundation must be submitted electronically via use of NSF's electronic systems. With the exception of significant changes in methods/procedures and significant changes, delays or events of unusual interest, all notifications and requests must be signed and submitted by the AOR via use of NSF's electronic systems. Questions related to the electronic processing of these notifications and requests should be forwarded to the Help Desk by phone at: 1-800-673-6188 or by e-mail to: fastlane@nsf.gov.

| Type of Grantee Notification | | PAPPG Citation |
|------------------------------|--|----------------|
| • | Grantee-Approved No-Cost Extension | VI.D.3.c(i) |
| • | Significant Changes in Methods or Procedures | VII.B.1.b |
| • | Significant Changes, Delays or Events of Unusual Interest (Other than Changes in Objectives or Scope) | VII.B.1.c |
| • | Annual and Final Cost Share Notification by Recipient | VII.C.3 |
| • | Conflicts of Interest that cannot be satisfactorily managed, reduced or eliminated and research that proceeds without the imposition of conditions or restrictions when a conflict of interest | IX.A |

| Type of Grantee Request** | PAPPG Citation | Direct questions to: |
|--|---------------------------|-----------------------------|
| Subawarding, Transferring or Contracting Out Part of an NSF Award | II.C.2.g.(vi)(e), VII.B.3 | Grants Office |
| First NSF-Approved No-Cost Extension | VI.D.3.c(ii)(a) | Program Office |
| Second NSF-Approved No-Cost Extension | VI.D.3.c(ii)(b) | Grants Office |
| Change in Objectives or Scope | VII.B.1.a | Program Office*** |
| Long-Term Disengagement of the PI/PD or co-PI/co-PD | VII.B.2.a | Program Office*** |
| Change in Person-Months Devoted to the Project | VII.B.2.b | Grants Office, if necessary |
| Addition of co-PI/co-PD | VII.B.2.c | Program Office*** |
| Withdrawal of PI/PD or co-PI/co-PD | VII.B.2.d | Program Office*** |
| Substitute (Change) PI/PD or co-PI/co-PD | VII.B.2.e | Program Office*** |
| PI/PD or co-PI/co-PD Transfer from One Organization to Another | VII.B.2.f | Grants Office |
| Pre-award Costs in Excess of 90 Days | X.A.2.b | Grants Office |
| Salaries of Administrative or Clerical Staff | II.C.2.g(i)(b) | Program Office*** |
| Travel Costs for Dependents | II.C.2.g(iv)(a) | Grants Office |
| Rearrangements/Alterations (Construction) X.C.1 | Grants Office | ce |
| Reallocation of Funds for Participant Support Costs | II.C.2.g(v) | Program Office |

exists

| Type of Grantee Request** | | PAPPG Citation | <u>Direct questions to:</u> |
|---------------------------|--|---------------------|-----------------------------|
| • | Additional categories of participant support costs other than those described in 2 CFR § 200.75 (such as incentives, gifts, souvenirs, | II 0 0 × () | 0 |
| • | t-shirts and/or memorabilia) Change to cost sharing commitments reflected on Line M of the NSF | II.C.2.g(v) | Grants Office |
| | award budget | VII.C | Grants Office |
| • | Request for Supplemental Support | VI.E.4 | Program Office*** |

Notes:

^{*}This listing of Notifications and Requests for Approval is not intended to be all-inclusive.

**See also the relevant Article in the applicable NSF grant terms and conditions.

***Final action by Grants Officer, when warranted.