



Priority List of Sites Deserving/Requiring International Atomic Energy Agency (IAEA) Inspections, with Employee Interviews

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Drawing from our newly released book, [*Iran's Perilous Pursuit of Nuclear Weapons*](#),¹ this table identifies many locations of Amad-related facilities with varying statuses today, including razed, shut down, repurposed, or active, all highly relevant to the IAEA in determining the origin of undeclared nuclear materials and fate of undeclared facilities, materials, and activities, the completeness of Iran's nuclear declaration, and whether nuclear weapons efforts have ended or in fact are ongoing. Such a determination requires many steps with one being IAEA visits to key sites in the Amad and post-Amad programs. This table identifies 19-23 priority locations for IAEA visits.² More sites are possible; this count represents more of an undercount rather than an overcount. About 17-21 out of these 20-24 locations have never been visited by the IAEA, or alternatively only three of the priority Amad sites, Parchin, Marivan, and the Tehran Plant, have been visited to some extent. All three require follow-up visits due to the finding of yet unexplained traces of undeclared uranium.

¹ The book is available on Amazon at https://www.amazon.com/dp/B094DTRJFL?ref=pe_3052080_276849420

² Each row in the table is counted as one site, unless otherwise noted in the third column. The range reflects uncertainties about the number of underground nuclear test sites being developed by Iran during the Amad Plan. In addition, four rows in the table were not included in the priority count.

Facility/Activity	Post-Amad Fate	Require IAEA Inspections
Sanjarian Building <ul style="list-style-type: none"> - main testing chambers - shock wave generator development & manufacturing location - high explosive (PETN) production 	Standby/active until 2009?	Needs a visit, never visited.
Shahid Mahallati/Uranium Metallurgy/Weapon Grade Uranium (WGU) Core Development and Production (pilot plant)	Standby/active until 2010?	Needs a visit, never visited.
Shahid Boroujerdi/Uranium Metallurgy (production scale)	Halted, repurposed site	Need visits, never visited.
Project Midan	Halted, continued seismic methods related to yield estimates	Multiple sites (3-7) discussed in archive that were investigated for an underground nuclear test site or where high explosive tests were conducted as part of determining the yield of an underground nuclear explosion, never visited.
Integration of warhead into re-entry vehicle of a missile	Ongoing	Shahid Hemmat Industrial Group (SHIG), and unknown sites, never visited except some ancillary workshops that made mock re-entry vehicles.
Golab Dareh	Unclear from available information	Never visited, location not publicly known.
Conversion, HEUF ₆ to HEUF ₄ (Highly enriched uranium hexafluoride to highly enriched uranium tetrafluoride)	Likely assigned to Atomic Energy Organization of Iran (AEOI), post Amad	Unknown location under Amad, never visited.
Misc. Workshops for making key nuclear weapons subcomponents, excluding shock wave generator, the core, and neutron initiator	Unclear, capability likely ongoing	Unknown locations never visited. Not counted in priority list for visits.
High Explosive Casting and Finishing	Continued, unclear about casting, finishing of main charge	Location unknown to us, but IAEA may have more information on the location, never visited.
Neutron Initiator	Continued	Lavizan-Shian (razed), Parchin, and unknown post-Amad site, never visited.
Military Centrifuge R&D	Halted, partial restart later	Unknown location(s), never visited.

Nuclear Archive locations	2015 – ongoing	Shorabad, and at least one prior location where the Nuclear Archive was kept, never visited. These two sites are counted.
Parchin (Taleghan 1 and 2)	Standby/periodically active until 2011?	One major building (Taleghan 2) never visited, the other one was visited briefly and undeclared uranium discovered, requiring a follow-up visit.
Marivan	Standby/active until 2020?	One visit, but more visits are needed; it is a large site, undeclared uranium was discovered, and post-visit activity has occurred, as visible in commercial satellite imagery.
Uranium Conversion (UF ₆), Pilot Plant	Razed, replaced by AEOI facilities	Visited once, needs additional visits, in part since undeclared uranium discovered in sampling at site.
Post Amad Successor Organization, SPND Sites	Active	Mojdeh Street site (across from Malak Ashtar University), Varamin, and other sites, never visited (number of sites counted in priority list is three, but there are actually more identified SPND sites deserving a visit.)
IRGC technical universities associated with Amad and post-Amad organizations: Malak Ashtar University, Imam Hussein University, Shahid Beheshti	Active	Not inspected adequately or at all; some partially visited. In this list of priority sites, the universities were excluded in the count.
Headquarters of Physics Research Center (PHRC) and Amad at Lavizan-Shian	Razed	Should have been visited before razing; now IAEA judges not worth going. Not included in count of priority sites.
Storage sites for nuclear weapons-related equipment and materials	Active	Turquz Abad was visited once, and undeclared uranium was discovered, but IAEA may not need another visit to this site cleared by Iran. Successor site(s) and location(s) of other potential storage sites should be visited. However, not included in count of priority sites.